

Product datasheet for **MG202545**

Vps28 (NM_025842) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps28 (NM_025842) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vps28
Synonyms:	1110014J03Rik; CIIA; D730005C08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202545 representing NM_025842 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCACGGGATCCCGGCTACTCCTGGTGTGGAGCCCCTGGGAACAAGCCGGAGCTGTATGAGGAAG
TAAAGCTCTACAAGAATGCTCGGGAGCGGGAGAAGTATGACAACATGGCAGAGCTCTTTGCCGTGGTGAA
GACGATGCAGGCCCTGGAGAAGGCGTACATCAAGGACTGTGTACCCCCAATGAGTACACTGCAGCCTGC
TCCAGGCTCCTGGTCCAGTACAAAGCTGCCTCCGACAGGTCCAAGGCTCAGAGATCAGCTCCATTGATG
AATTTTGCCGAAAGTTCAGACTGGACTGCCCACTTGCTATGGAGAGGATCAAAGAGGACCGCCCATCAC
TATCAAAGACGACAAGGGCAATCTCAACCGCTGCATTGCAGATGTTGTTTCGCTCTTCATTACAGTCATG
GACAAGCTGCGTCTGGAGATCCGTGCCATGGACGAGATTAGCCAGACCTGCGGGAGCTGATGGAGACAA
TGACAGAAATGAGCCACCTGCCTCCAGACTTCGAGGGCCGCCAGACAGTCAGCCAGTGGCTGCAGACCT
GAGTGGTATGTCGGCCTCTGACGAGCTGGATGACTCTCAAGTTCGCCAGATGCTCTTCGATCTGGAGTCC
GTTTACAACGCCTTTAACCGCTTCTACACGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202545 representing NM_025842
 Red=Cloning site Green=Tags(s)

MFHGIPATPGVGPAGNKPELYEEVKLYKNAREREKYDNMAELFAVVKTMQALEKAYIKDCVTPNEYTAAC
 SRLLVQYKAAFRQVQGSSEISSIDFCRKFRLLDCPLAMERIKEDRPITIKDDKGNLNRCIADVVSLEFITVM
 DKLRLEIRAMDEIQPDLRELMETMHRMSHLPDFEGRQTVSQWLQTLSGMSASDELDDSQVRQMLFDLES
 AYNANRFLHA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025842

ORF Size: 663 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_025842.1](#)

RefSeq Size: 886 bp

RefSeq ORF: 666 bp

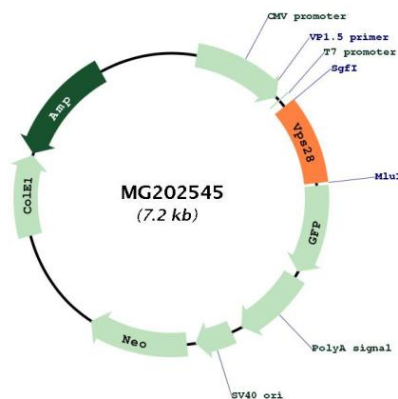
Locus ID: 66914

UniProt ID: [Q9D1C8](#)

Cytogenetics: 15 D3

Gene Summary: This gene encodes a protein which is thought to be a subunit of the ESCRT-I complex (endosomal complexes required for transport), which functions in the transport and sorting of proteins into subcellular vesicles. This complex can also be hijacked to facilitate the budding of enveloped viruses from the cell membrane. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2015]

Product images:



Circular map for MG202545